



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet for 712-4126**F(ab')₂ Rat IgG (H&L) Antibody Pre-Adsorbed****Overview**

| | |
|----------------------|--|
| Description: | Rabbit F(ab') ₂ Anti-Rat IgG (H&L) Antibody (Min X Bv Hs Hu Ms Rb & Sh Serum Proteins) - 712-4126 |
| Item No.: | 712-4126 |
| Size: | 500 µg |
| Applications: | ELISA, IHC, Other |
| Reactivity: | Rat |
| Host Species: | Rabbit |

Product Details

| | |
|----------------------|---|
| Background: | F(ab') ₂ Antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab') ₂ fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab') ₂ fragments penetrate into tissue samples and show better antigen recognition and signal generation in IHC. F(ab') ₂ fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab') ₂ Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays. |
| Synonyms: | Rabbit F(ab') ₂ Anti-Rat IgG Pre-Adsorbed Antibody, Rabbit Fab2 Anti-Rat IgG Antibody |
| Host Species: | Rabbit |
| Specificity: | IgG (H&L) |
| Clonality: | Polyclonal |
| Format: | IgG F(ab') ₂ |

Target Details

| | |
|--------------------|------------------------|
| Reactivity: | Rat |
| Immunogen: | Rat IgG whole molecule |

| | |
|----------------------------|--|
| Purity/Specificity: | This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum, Rat IgG and Rat Serum. No reaction was observed against anti-Pepsin, anti-Rabbit IgG F(c) or Bovine, Horse, Human, Mouse, Rabbit & Sheep Serum Proteins. |
|----------------------------|--|

Application Details

| | |
|--------------------------------|---|
| Tested Applications: | ELISA |
| Suggested Applications: | IHC, Other (Based on references) |
| Application Note: | F(ab') ₂ Anti-Rat IgG Antibody has been tested by ELISA and is suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. The maximum amount of reagent required to stain 1 x 10 ⁶ cells in flow cytometry is approximately 1.0 µg of antibody. Lesser amounts of reagent may be sufficient for staining. Optimal titers for other applications should be determined by the researcher. As a general guideline dilutions of 1:100 to 1:250 should be suitable for most applications. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | 1:60,000 |
| IHC: | 1:1,000 - 1:5,000 |
| WB: | 1:2,000 - 1:10,000 |

Formulation

| | |
|------------------------|--|
| Physical State: | Liquid (sterile filtered) |
| Concentration: | 1.0 mg/mL by UV absorbance at 280 nm |
| Buffer: | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| Preservative: | 0.01% (w/v) Sodium Azide |
| Stabilizer: | None |

Shipping & Handling

| | |
|----------------------------|---------|
| Shipping Condition: | Wet Ice |
|----------------------------|---------|

| | |
|---------------------------|--|
| Storage Condition: | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. |
| Expiration: | Expiration date is one (1) year from date of receipt. |

References

- Fang J et al. Genome-wide mapping of cancer dependency genes and genetic modifiers of chemotherapy in high-risk hepatoblastoma. *Nat Commun.* (2023)
- Tsuji S et al. Sleep-wake patterns are altered with age, Prdm13 signaling in the DMH, and diet restriction in mice. *Life Sci Alliance.* (2023)
- Srivastava S et al. Immunogenic chemotherapy enhances recruitment of CAR-T cells to lung tumors and improves antitumor efficacy when combined with checkpoint blockade. *Cancer Cell.* (2021)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.